

Overview of Presentation Site Background and Status Extent of Contamination Current and Future Risk Exposures Planned Removal Actions Additional Cleanup Actions Needed Superfund Process Hazard Ranking System/National Priority List Process State Role/Concerns

Beatrice Gas & Power Company owned the land and probably built the manufactured gas plant (MGP) in 1907. Owners changed names several times. Both coal and Lowe's Water Gas processes were used.

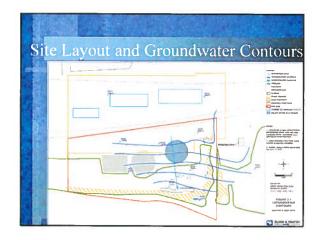
Next Steps

- Iowa-Nebraska Light & Power bought the plant in 1927 and operated it until about 1929
- Centel predecessor bought the property in 1945. City bought the property in 1996 and cleared the remaining structures for floodway enhancement.

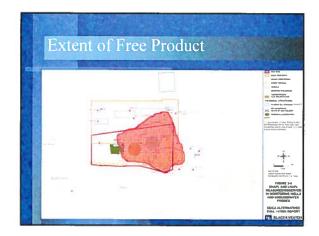
Site Status

- Centel and City are the Potentially Responsible Parties (PRPs) for cleanup, and are under Administrative Order on Consent (AOC) to conduct an Engineering Evaluation and Cost Analysis (EE/CA) for cleanup
- EE/CA has been completed, with the proposed Removal Action components identified
- EPA will negotiate with PRPs for a second AOC to conduct the Non-Time Critical Removal Action

Removal actions are short-term response actions taken to address imminent substantial threats to human health and the environment and are generally surface cleanups Non-time critical removal actions can start later than six months to allow for a planning period before on-site activities begin Removal Actions do not address long-term restoration of groundwater contamination to return aquifer to beneficial use



Extent of Contamination The primary contaminants associated with gas plants using coal and oil as feedstock are BTEX and PAHs The site has light and dense non-aqueous phase liquids (LNAPL and DNAPL) and a dissolved groundwater plume that extends west toward the Big Blue River Tar and oily material found in river sediments and pore water



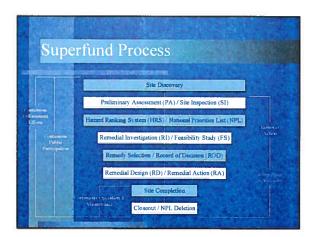
Current / Future Human Risk Exposures • Exposure by site worker to shallow/surface soil • Exposure by adult/child to river sediment • Exposure by adult/child to surface water (river) • Exposure by site construction/utility worker to subsurface soil

Removal Actions Planned • Surface soil removal and off-site disposal • Removal of gas holder contents and off-site disposal • Sediment Cap and monitoring • GW monitoring The Removal Action will not address NAPL at and below the groundwater table – a major concern for the State

Additional Cleanup Actions Needed Groundwater cleanup and other long-term actions not typically included as Removal Actions Title 118 RAC-3 site Groundwater currently not used for drinking water Removal of NAPL required NAPL and contaminated groundwater will continue to migrate into river

- -)_	"free	product"	used	in
/-	title	118		

Additional Cleanup Actions Needed Long-term cleanup actions can only be addressed as Superfund NPL or State VCP site Previous discussions with City and Centel about enrolling site in State VCP Have not received a commitment to join State VCP



Definition of the National Priorities List (NPL) List of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States Hazard Ranking System (HRS) HRS - numerical scoring system used to assess the threat associated with actual or potential releases of hazardous substances at a site Evaluates four pathways of exposure, groundwater, surface water, soil, and air HRS (Cont'd) Numerical score calculated based on pathway evaluation. A preliminary site score of 28.5 or above is eligible for the NPL · Score does not represent level of risk, rather a screening level indicator of highest priority releases

Ro	egion 7 HI	RS / NPL Process	
		II ESI ocores above 28.5 and there are human health throne associated	
		Coordinate with the State on NPL Listing Regional Docasion Texts Manding * Superfluid Alternative * Other Cleans Programs	
	Configures State Trivolvement. +53 (F.Akarahse)	Start IRS Package	
	Other C. Sung Free Arms + Dr. S. Sunger	RA Letter to Governor requesting support for NPI, Listing Morting with the O	
		Public Notice 60 Day Consument Parint Final as Site on NPL	

State Role State role with EPA removal actions limited to identifying state regulatory requirements (ARARs) On NPL sites, role consists of recommendation on Governor concurrence, technical assistance to EPA, identification of state requirements, representing interests of the state

State Concerns Removal action would not meet State Title 118 groundwater cleanup regulations for this pollution event NAPL remaining in subsurface NAPL source for groundwater pollution Ongoing threat to river from NAPL and contaminated groundwater

Nex	xt Steps
	 NDEQ seeking written response from City on whether City supports listing site on Superfund NPL NDEQ will communicate with Governor's office regarding support for NPL listing EPA is continuing the NPL listing process

Questions and Feedback								
	A RELIGIOUS PROPERTY.		CARL PARTY.	g fo				
						ä.	Ŋ	
						B.		
			454					